



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):

Callow, et al.

Serial No:

10/608,293

Filed:

June 27, 2003

For:

UNIVERSAL SELECTIVE
GENOME AMPLIFICATION
AND UNIVERSAL
GENOTYPING SYSTEM

CERTIFICATE OF MAILING UNDER 37 CFR 1.8

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Date of Deposit: September 18, 2003

Name of Person Mailing: Donna B. Rose

Signature of Person Mailing

TRANSMITTAL LETTER

Mail Stop INFORMATION DISCLOSURE STATEMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed are the following items for filing in the above-referenced U.S. Patent Application:

1. Information Disclosure Statement (2 pages);
2. Form PTO-1449 (3 pages);
3. References A1, B1, C1-C29, inclusive (31 total references); and
4. Return postcard.

The Applicants do not believe that any fees are due for the submission of these documents, however, the Commissioner is hereby authorized to charge any fees which may be required under 37 CFR 1.16 or 1.17 to Deposit Account No. 501169. Please refund any overpayment to Nuvelo, Inc. at the address below.

Dated: September 18, 2003

By:

Respectfully submitted,

Renée S. Polizotto, Ph.D.

Agent for Applicants

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PATENT
Docket No. CAL-1CIP

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Donna B. Rose

Signature of Person Mailing

**INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. 1.56, 1.97 AND 1.98**

Mail Stop INFORMATION DISCLOSURE STATEMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with 37 C.F.R. §1.97 and the continuing duty of disclosure under 37 C.F.R. §1.56, the attached form PTO-1449 is hereby submitted by Applicants in connection with the above-identified application. Pursuant to 37 C.F.R. §1.98(d), copies of the documents A1, B1 and C1-C29 cited on the PTO-1449 are submitted herewith.

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 C.F.R. §1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein constitutes prior art under 35 U.S.C. § 102 or § 103.

In accordance with 37 C.F.R. §1.98(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. §1.56(a) exists. It is submitted that the Information Disclosure Statement is in compliance with 37 C.F.R. §1.98 and the Examiner is respectfully requested to consider the listed references.

No fee is believed due under 37 C.F.R. §1.97(b) because this statement and Form PTO-1449 are being submitted within three months of the filing date of the above-identified patent application. However, the Commissioner is hereby authorized to charge payment of any additional fees due or credit any overpayment to Deposit Account No. 501169.

Respectfully submitted,

Date: September 18, 2003

By: Renée S. Polizotto
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Form PTO-1449 (Modified)

SEP 22 2003

U.S. Department of
Patent and TrademarkAtty. Docket No.
CAL-1CIPSerial No.
10/608,293**INFORMATION DISCLOSURE
STATEMENT**

(Use several sheets if necessary)

Applicant
Callow, et al.Filing Date
06/27/2003Group
Not Yet Assigned**U.S. PATENT DOCUMENTS**

*Examiner Initials		Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
	A1	5,202,231	04/13/93	Drmanac <i>et al.</i>	435	6	

FOREIGN PATENT DOCUMENTS

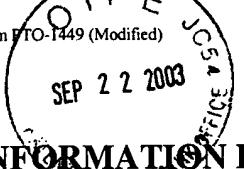
*Examiner Initials		Document Number	Publication Date	Country	Class	Subclass	Translation	
							Yes	No
	B1	WO 01/25002	04/12/01	WO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

C1	Bain and Whitesides, "Formation of Monolayers by the coadsorption of thiols on gold: variation in the length of the alkyl chain," <i>J. Am. Chem. Soc.</i> 111:7164-7175 (1989).
C2	Banér <i>et al.</i> , "Signal amplification of padlock probes by rolling circle replication," <i>Nucl. Acids Res.</i> 26:5073-5078 (1998).
C3	Barenghi, "Superfluid Rayleigh criterion," <i>Phys. Rev. B. Condens. Matter</i> 52:3596-3600 (1995).
C4	Bartholdi <i>et al.</i> , "Chromosome banding analysis by slit-scan flow cytometry," <i>Cytometry</i> 10:124-133 (1989).
C5	Chee <i>et al.</i> , "Accessing genetic information with high-density DNA arrays," <i>Science</i> 274:610-614 (1996).
C6	Dean <i>et al.</i> , "Rapid amplification of plasmid and phage DNA using Phi29 DNA polymerase and multiply-primed rolling circle amplification," <i>Genome Res.</i> 11:1095-1099 (2001).
C7	Drmanac and Drmanac, "cDNA screening by array hybridization," <i>Meth. Enzymol.</i>

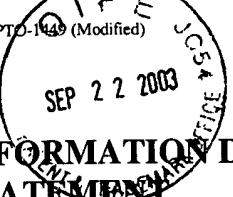
EXAMINER	DATE CONSIDERED
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

 <p>INFORMATION DISCLOSURE STATEMENT</p> <p>(Use several sheets if necessary)</p>	U.S. Department of Patent and Trademark	Atty. Docket No. CAL-1CIP	Serial No. 10/608,293
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	Filing Date 06/27/2003	Group Not Yet Assigned	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		
		303:165-178 (1999).
	C8	Drmanac and Drmanac, "Sequencing by hybridization arrays," <i>In: Methods in Molecular Biology</i> , Vol. 170: DNA Arrays: Methods and Protocols, J.B. Rampal, ed., Humana Press Inc., Totowa, New Jersey, pp. 39-51 (2001).
	C9	Drmanac <i>et al.</i> , "Sequencing of megabase plus DNA by hybridization: theory of the method," <i>Genomics</i> 4:114-128 (1989).
	C10	Forster <i>et al.</i> , "Reflex epilepsy evoked by decision making," <i>Arch. Neurol.</i> 32:54-56 (1975).
	C11	Gunnerson <i>et al.</i> , "Global analysis of gene expression patterns in developing mouse neocortex using serial analysis of gene expression," <i>Molec. Cell. Neurosci.</i> 19:560-573 (2002).
	C12	Karolchik <i>et al.</i> , "The UCSC genome browser database," <i>Nucl. Acids Res.</i> 31:51-54 (2003).
	C13	Livak <i>et al.</i> , "Oligonucleotides with fluorescent dyes at opposite ends provide a quenched probe system useful for detecting PCR product and nucleic acid hybridization," <i>PCR Methods Appl.</i> 4:357-362 (1995).
	C14	Mahé and Corthier, "Effect of toxins produced by various <i>Clostridium difficile</i> strains on cecum size reduction in gnotobiotic mice," <i>Can. J. Microbiol.</i> 34:916-918 (1988).
	C15	Masuda <i>et al.</i> , "Highly ordered nanochannel-array architecture in anodic alumina," <i>Appl. Phys. Lett.</i> 71:2770-2772 (1997).
	C16	Mullikin <i>et al.</i> , "Fringe-scan flow cytometry," <i>Cytometry</i> 9:111-120 (1988).
	C17	Nallur <i>et al.</i> , "Signal amplification by rolling circle amplification on DNA microarrays," <i>Nucl. Acids Res.</i> 29:e118 (2001).
	C18	Newton <i>et al.</i> , "Analysis of any point mutation in DNA. The amplification refractory mutation system (ARMS)," <i>Nucl. Acids Res.</i> 17:2503-2516 (1989).
	C19	Nicewarner-Peña <i>et al.</i> , "Submicrometer metallic barcodes," <i>Science</i> 294:137-141 (2001).
	C20	Roberts and Macelis, "REBASE—restriction enzymes and methylases," <i>Nucl. Acids Res.</i> 29:268-269 (2001).
	C21	Sax <i>et al.</i> , "Identification of negative-acting and protein-binding elements in the mouse α A-crystallin -1556/-1165 region," <i>Gene</i> 144:163-169 (1994).
	C22	Savas <i>et al.</i> , "Properties of large-area nanomagnet arrays with 100 nm period made

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

		by interferometric lithography," <i>J. Appl. Phys.</i> 85:6160-6162 (1999).
	C23	Shoemaker <i>et al.</i> , "To affinity...and beyond!" <i>Nat. Genet.</i> 14:367-370 (1996).
	C24	Shuber <i>et al.</i> , "High throughput parallel analysis of hundreds of patient samples for more than 100 mutations in multiple disease genes," <i>Hum. Molec. Genet.</i> 6:337-347 (1997).
	C25	Sibson and Gibbs, "Molecular indexing of human genomic DNA," <i>Nucl. Acids Res.</i> 29:e95 (2001).
	C26	Silver, "Inverse polymerase chain reaction," In: PCR: A Practical Approach, McPherson <i>et al.</i> , eds. Oxford University Press, New York, pp. 137-146 (1991).
	C27	Smith, "Ligation-mediated PCR of restriction fragments from large DNA molecules," <i>PCR Methods Appl.</i> 2:21-27 (1992).
	C28	Storhoff <i>et al.</i> , "One-pot colorimetric differentiation of polynucleotides with single base imperfections using gold nanoparticle probes," <i>J. Am. Chem. Soc.</i> 120:1959-1964 (1998).
	C29	Tyagi <i>et al.</i> , "Multicolor molecular beacons for allele discrimination," <i>Nat. Biotech.</i> 16:49-53 (1998).

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